

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

28. (Currently amended) An electromechanical transducer comprising:
a ferroelectric thin film sandwiched between a top electrode and a bottom electrode;
an adhesive layer formed from an alloy containing an anti-diffusion metal and an adhesive metal, said adhesive layer being formed between said bottom electrode and a surface where said transducer is installed; and
an anti-diffusion layer formed from an alloy containing [[said]] an anti-diffusion metal and [[an]] said adhesive metal, said anti-diffusion layer being formed between said bottom electrode and said ferroelectric thin film.

29. (Currently amended) The electromechanical transducer according to Claim 28, wherein [[said]] the anti-diffusion metal contained in both said adhesive layer and said anti-diffusion layer is selected from the group consisting of iridium, rhodium, ruthenium, and osmium.

30. (Currently amended) The electromechanical transducer according to Claim 28, wherein said adhesive layer [[is]] comprises an alloy of [[said]] the anti-diffusion metal and [[the]] a metal that constitutes said bottom electrode.

31. (Currently amended) The electromechanical transducer according to Claim 28, wherein said adhesive metal of both said adhesive layer and said anti-diffusion layer is either titanium or chromium.

32. (Currently amended) The electromechanical transducer according to Claim 28, wherein said bottom electrode ~~consists of~~ comprises platinum.

33. (Currently amended) The electromechanical transducer according to Claim 28, wherein said ferroelectric thin film is formed in a thickness of at least 1 μm .

34. (Currently amended) An ink jet recording head, wherein the electromechanical transducer according to any of Claims 28 to 33 is installed on a diaphragm film formed on at least one side of a pressure chamber filled with an ink.

35. (Currently amended) The ink jet recording head according to Claim 34, wherein ~~[[said]]~~ the diaphragm film is constituted by ~~[[the]]~~ lamination of a silicon oxide film and a zirconium oxide film.

36. (Previously amended) The ink jet printer, wherein the ink jet recording head according to Claim 34 is provided as an ink discharge means.